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BOROUGH OF EASTLEIGH

ANNUAL REPORT

of

THE MEDICAL OFFICER OF HEALTH

for the year

1940

Eastleigh :

Eastleigh Printing Works, 28a, High Street, Eastleigh.

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PUBLIC HEALTH DEPARTMENT STAFF, 1940.

Medical Officer of Health :

R. REYNOLDS GARRETT, M.R.C.S., L.R.C.P.
(Part time).

Deputy Medical Officer of Health :

ALLAN G. PROVERBS, M.B., Ch.B.
(Part time from December, 1940.)

Chief Sanitary Inspector :

(b), (c), (d), (e), (f), (g), CHARLES E. JAMES.

Sanitary Inspectors :

(a), S. W. COOTE. (Until August, 1940.)
(b), (c), (f), M. F. WELLS. (From July, 1940.)

Inspector of Meat and Other Foods :

(b), (c), (f), H. F. DAWE.

Departmental Clerks :

K. R. HUMPHRIES. (Until November, 1940.)
Mrs. E. M. EVANS. (From December, 1940.)
W. R. W. SHATTOCK.

- (a) *Sanitary Inspector's Certificate, Royal Sanitary Institute.*
- (b) *Sanitary Inspector's Certificate, Royal Sanitary Institute and Sanitary Inspector's Joint Board.*
- (c) *Meat and Food Inspector's Certificate, Royal Sanitary Institute.*
- (d) *Sanitary Science Certificate, Royal Sanitary Institute.*
- (e) *Smoke Inspector's Certificate, Royal Sanitary Institute.*
- (f) *Diploma in General Hygiene, Royal Institute of Public Health and Hygiene.*
- (g) *Associate-Membership Certificate, Institution of Sanitary Engineers.*

BOROUGH OF EASTLEIGH.

To the Chairman and Members of the Sanitary and Health Committee.

Ladies and Gentlemen,

I have honour to submit the Annual Report of the Medical Officer of Health for the year ending 31st December, 1940. The year under review has been an onerous one for the Public Health Department and imposed a great strain on your Medical Officer of Health, who carried out his duties until November when the poor state of his health made it necessary for him to take a rest, and I was appointed Deputy Medical Officer of Health for the period of his absence.

The analysis of Birth, Death and Infectious Disease Case Rates show that the health of the Borough compares very favourably with that of the rest of the country.

Air Raid Precautions still continue to impose a large amount of extra duties upon the Department, but the excellent work carried out by the Casualty Services when they have been called upon to function has proved most gratifying. Details of this work appear in Section VII.

The duties of Meat and Food Inspection have increased considerably during the year, the number of animals slaughtered in the district during 1940 being 35,139, compared with 25,729 in 1939, an increase on the year of nearly 10,000. An account of this work has been included in Section V of this Report.

The Sanitary Circumstances of the Area and Housing are dealt with by the Chief Sanitary Inspector in Sections III and IV of the Report. The shortage of labour and materials, which has grown more acute as the year has advanced, made the executions of repairs difficult to obtain.

Section VI deals with the prevalence of Infectious Disease in the Borough. Four hundred and forty-eight cases of infectious disease were notified to the Department during the year, compared with 82 in 1939. Of this total 179 were notifications of whooping cough and 194 of measles, both of which are shown this year for the first time, which leaves 75 notifications, which are comparable with the totals of former years. Of this total the only outstanding feature is the fall in the incidence of scarlet fever from 44 cases in 1939 to 24 in 1940.

I am, Ladies and Gentlemen,

Your obedient Servant,

ALLAN G. PROVERBS,

Dep. Medical Officer of Health.

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SECTION I.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres)	6,326
Registrar-General's estimate of:—	
(a) Resident population, mid 1940	27,240
(b) Average population appropriate to the calculation of death rates	27,240
Number of inhabited houses,	7,842
Rateable value (1st April, 1940)	£171,246
Product of penny rate (1st April, 1940)	£676
Estimated weekly average of unemployment	90

Chief Industries :

- (a) The building and repairing of railway rolling stock.
- (b) The manufacture of electric cables.
- (c) Printing.

EXTRACTS FROM VITAL STATISTICS.

Live Births	{	Legitimate	Total	M.	F.	}	Birth Rate per 1000 estimated resident population, 16.07.
			429	233	196		
		Illegitimate	9	6	3		
Still-births			11	9	2		Rate per 1000 total (live and still) births 24.49.
Deaths			359	177	182		Death Rate per 1000 of the estimated aver- age population 13.17.
		Comparability Factor					0.98
		Adjusted Death Rate					12.9

Deaths from Puerperal Causes (Headings 29 and 30 of the Registrar General's Short List).

		Deaths.		Rate per 1,000 total (live and still) births.	
No. 29.	Puerperal and Post Abortion				
	Sepsis		—		—
No. 30.	Other Maternal causes		—		—
Death of Infants under one year of age :—			M.	F.	Total.
	Legitimate		15	9	24
	Illegitimate		—	—	—
Death Rate of Infants under one year of age :—					
	All infants per 1000 live births				54.05
	Legitimate infants per 1000 legitimate live births				55.17
	Illegitimate infants per 1000 illegitimate live births				—
Deaths from Cancer (all ages)					45
„ „	Measles (all ages)				Nil
„ „	Whooping Cough (all ages)				2
„ „	Diarrhoea (under 2 years of age)				Nil

**BIRTH-RATES, CIVILIAN DEATH-RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1940.**

Provisional Figures based on Weekly and Quarterly Returns.

(Table of Registrar General.)

Eastleigh's figures have been included for convenience of comparison, the last two columns being the most suitable for this purpose.

	England and Wales.	126 C.B.'s and Great Towns including London.	London Administrative County.	148 Smaller Towns Resident Pop. 25,000-50,000 at 1931 Census.	Eastleigh.
Births.	* Rates per 1,000 Civilian Population.				
Live Births	14.6	16.0	13.7	15.7	16.07
Still Births	0.55	0.64	0.44	0.55	0.40
Deaths.					
All Causes	14.3	15.8	17.8	12.8	12.9
Typhoid and Para- typhoid	0.00	0.00	0.00	0.00	—
Scarlet Fever	0.00	0.00	0.00	0.00	—
Whooping Cough	0.02	0.02	0.00	0.02	0.07
Diphtheria	0.06	0.07	0.01	0.05	—
Influenza	0.32	0.29	0.18	0.30	0.18
Small-pox	—	—	—	—	—
Measles	0.02	0.02	0.01	0.02	—
	Rates per 1,000 Live Births:—				
Deaths under 1 year of age	55	61	50	54	54
Deaths from Diar- rhoea and Enteri- tis under 2 years of age	4.6	5.9	5.8	4.4	—
Notifications.	Rates per 1,000 Civilian Population:—				
Enteric	0.07	0.06	0.06	0.10	0.07
Cerebro Spinal Fever	0.32	0.33	0.28	0.29	0.18
Scarlet Fever	1.63	1.53	0.82	1.57	0.88
Whooping Cough	1.34	1.29	0.22	1.35	6.57
Diphtheria	1.16	1.29	0.61	1.21	0.29
Erysipelas	0.33	0.36	0.35	0.30	0.40
Smallpox	0.00	—	—	—	—
Measles	10.24	9.23	1.78	9.99	7.12
Pneumonia	1.20	1.37	0.87	1.00	0.44
	Rates per 1,000 total Births (Live and Still):—				
Puerperal Fever {	11.96	13.90	3.34	9.73	13.36
Puerperal Pyrexia {			13.30 including Puerperal Fever		

* A dash (—) signifies that there were no deaths.

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE BOROUGH OF EASTLEIGH DURING 1940.

(Table of Registrar General).

CAUSES OF DEATH.	All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75-
All Causes	359	24	1	1	4	12	11	13	25	67	84	117
1 Typhoid and Paratyphoid Fevers	—	—	—	—	—	—	—	—	—	—	—	—
2 Cerebro-spinal Fever	2	—	1	—	—	1	—	—	—	—	3	—
3 Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—
4 Whooping Cough	2	2	—	—	—	—	—	—	—	—	—	—
5 Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—
6 Tuberculosis of respiratory system.....	5	—	—	—	—	1	1	—	2	1	—	—
7 Other Tuberculosis diseases	—	—	—	—	—	—	—	—	—	—	—	—
8 Syphilitic diseases	1	—	—	—	—	—	—	—	—	—	1	—
9 Influenza	5	—	—	—	—	—	—	1	—	—	3	1
10 Measles	—	—	—	—	—	—	—	—	—	—	—	—
11 Acute polio-myelitis and polio-encephalitis	—	—	—	—	—	—	—	—	—	—	—	—
12 Acute inf. encephalitis	—	—	—	—	—	—	—	—	—	—	—	—
13 Cancer of buccal cavity and oesoph (M) uterus (F)	6	—	—	—	—	—	—	1	1	1	2	1
14 Cancer of Stomach and Duodenum	9	—	—	—	—	—	—	1	1	2	5	—
15 Cancer of Breast	5	—	—	—	—	—	—	—	2	3	—	—
16 Cancer of all other sites	25	—	—	—	—	—	—	1	3	7	11	3
17 Diabetes	7	—	—	—	—	1	—	—	—	3	1	2
18 Intra-cranial vascular lesions	31	—	—	—	—	—	—	1	3	5	9	13
19 Heart disease	96	—	—	—	—	1	1	1	4	16	25	48
20 Other diseases of circulatory system	4	—	—	—	—	1	—	—	—	—	—	3
21 Bronchitis	26	—	—	—	—	—	1	1	2	6	6	10
22 Pneumonia	14	3	—	1	—	—	1	1	1	2	2	3
23 Other respiratory diseases	12	—	—	—	—	—	—	—	—	4	4	4
24 Ulcer of stomach	1	—	—	—	—	—	—	—	1	—	—	—
25 Diarrhoea under 2 years	—	—	—	—	—	—	—	—	—	—	—	—
26 Appendicitis	7	—	—	—	3	1	—	—	2	1	—	—
27 Other digestive diseases	8	—	—	—	—	—	—	—	2	2	1	3
28 Nephritis	7	—	—	—	—	—	—	—	—	2	1	4
29 Puerperal and Post Abortion Sepsis	—	—	—	—	—	—	—	—	—	—	—	—
30 Other Maternal causes	—	—	—	—	—	—	—	—	—	—	—	—
31 Premature Birth	9	9	—	—	—	—	—	—	—	—	—	—
32 Congenital malformations; birth injuries; infantile disease	10	10	—	—	—	—	—	—	—	—	—	—
33 Suicide	3	—	—	—	—	—	—	2	—	—	1	—
34 Road traffic accidents	5	—	—	—	1	1	1	1	—	—	1	—
35 Other violence	23	—	—	—	—	5	4	1	1	6	4	2
36 All other causes	36	—	—	—	—	—	2	1	—	6	7	20

SECTION II.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.**1. Public Health Officers of the Local Authority.**

Full particulars of the Public Health Officers of the Council, Medical, Sanitary and Clerical, including in each case information as to their special diplomas or certificates of qualification as well as their offices and duties, have been incorporated on page 2 at the beginning of this Report.

2. During the year 1940 there have been no changes in the arrangements for the following :—

- (a) Laboratory Facilities.
- (b) Ambulance Facilities.
- (c) Professional Nursing in the Home.
- (d) Treatment Centres and Clinics.
- (e) Hospitals—Public and Voluntary.
- (f) Maternity and Nursing Homes.
- (g) Maternal Mortality.

SECTION III.

SANITARY CIRCUMSTANCES OF THE AREA.

Report by CHARLES E. JAMES, A.M.I.S.E., M.R.San.I.,
M.R.I.P.H.H., Chief Sanitary Inspector.

The work of the Sanitary Department comprises Sections III., IV. and V. of this Report, dealing with the Sanitary Circumstances of the District, Housing and the Inspection and Supervision of Food respectively.

(a) **Water.**

Eastleigh is supplied with water by the Southampton Corporation Waterworks and I am indebted to J. Hawksley, Esq., B.Sc., M.Inst.C.E. (Waterworks Engineer and Manager) for the following information.

The present water supply is derived from wells in the upper chalk at Otterbourne and Twyford and is sterilized at the pumping stations before being delivered into the Service Reservoirs. Under normal conditions the supply is also softened at the pumping stations but since the outbreak of war it has been necessary, as a measure of Civil Defence, to suspend the process of softening on account of the glare from the lime kilns. The Southampton Corporation is under no statutory obligation to soften the supply, and it is unlikely that softening will be commenced during the war.

Work on the new River Itchen Supply, which is being constructed for the general augmentation of the supply throughout the Corporation's area, is nearing completion.

The supply has been satisfactory in quality and quantity during the year, the following figures being typical of a chemical analysis of the water at present supplied, during the suspension of softening.

Chemical Characters.

				Parts per 100,000
Total Solids	.....	.....	.....	30.3
Loss upon Ignition	.....	.....	.....	2.1
Free and Saline Ammonia	(a)	.....	.....	Nil
	(b)	.....	.....	0.0055
Albuminoid Ammonia	(a)	.....	.....	0.0003
	(b)	.....	.....	0.0002
Chlorine (Cl.) combined	.....	.....	.....	1.48
Sodium Chloride (Na. Cl.)	.....	.....	.....	2.42
Nitrites	.....	.....	.....	Absent
Nitrates (N.)	.....	.....	.....	0.29
Sulphates (SO ₃)	.....	.....	.....	0.40
Phosphates	.....	.....	.....	Absent
Lead	.....	.....	.....	Absent
Iron	.....	.....	.....	Absent
Reaction (pH.)	.....	.....	.....	8.0
Hardness	{ Permanent	.....	.....	3.7
	{ Temporary	.....	.....	17.9
	{ Total	.....	.....	21.6

Note.—Ammonia Results. (a) Before Chloramine treatment.
(b) After Chloramine treatment.

Bacteriological Examination.

The water is controlled by bacteriological examination, samples being taken of the well water and treated water at each pumping station at least once a week.

The results of the bacteriological examinations during 1940 of the treated water from the Otterbourne and Twyford Pumping Stations (the sources of supply for the Borough of Eastleigh) were as follows :—

Pumping Station.	Total Number of Samples.	B. Coli absent in 100 c.c's.	B. Coli present in 100 c.c's. absent in 50 c.c's.	B. Coli present in 50 c.c's. absent in 10 c.c's.
Otterbourne	50	49	1	Nil
Twyford	50	49	1	Nil

Water Supply.

During the year eight samples of water were obtained and submitted to the County Laboratory for chemical analysis and bacteriological examination.

Two of the samples taken proved to be satisfactory and six unsatisfactory.

Five of the unsatisfactory samples were taken from the well, milk cooler and household pump of a farm in the area, the sixth sample being taken from a spring, which the owners decided to use if their main supply failed.

Owing to the difficulty in obtaining a piped supply of main water to the farm, attempts are being made to repair and cleanse the well. Meantime all milk produced at the farm is cooled at a neighbouring dairy, and all water at the farm is boiled before use.

The owners of the spring from which the sixth unsatisfactory sample was taken were notified that this water was unfit for domestic purposes.

(b) Drainage and Sewage.

In 1940 the following drainage work was carried out under the supervision of the Department :—

Drains examined	17
Drains cleansed	29
Drains repaired or reconstructed	19
Premises drained to sewer	2
Soil pipes or vent shafts repaired	2
Inspection chamber provided	2
Fresh air inlets fixed	5
Vent shafts provided	1
New gullies provided	1
Miscellaneous drainage items	5

(c) Rivers and Streams.

During the year one complaint of a stream being in a filthy condition was received. This nuisance was abated.

(d) Closet Accommodation.

The following work was carried out during the year :—

Separate accommodation provided	3
New W.C.'s provided, complete	2
New W.C. basins provided	27
W.C. cisterns repaired or renewed	33
W.C. Compartments repaired	18
W.C. Compartments rebuilt	1
W.C. Compartments cleansed	11
Miscellaneous items	7

(e) Public Cleansing.

There has been no change during the year in the method of scavenging.

(f) Sanitary Inspection of the Area.

During the year 1940 the following inspections were made by the Sanitary Staff in respect of :—

Drainage	141
Water Supply	25
Piggeries	70
Refuse Collection	24
Stables	4
Refuse Disposal	9
Offensive trades	1
Closet accommodation	5
Council Bungalows	266
Houses of persons being re-housed by Council	40
Vacating of Council houses	37
Overcrowding	80
Tents, vans and sheds	6
Shops	87
Factories	39
Workshops	1
Outworkers' Premises	5
Infectious disease	257
Smoke observations	4
Rats and Mice destruction	38
Keeping of animals	6
Verminous premises	121
Second-hand Shops	25
Public Conveniences	2
Interviews	184
Miscellaneous sanitary visits	141

Total	1618
-------	------

(g) Number of Notices Served.

To secure the abatement of nuisances and the removal of conditions dangerous to health the following action was taken :—

No. of Informal Notices served	155
No. of Informal Notices complied with	162
No. of Statutory Notices served	9
No. of Statutory Notices complied with	10

(h) Complaints Received.

During the year the following complaints were received and attended to by the sanitary staff relating to the following matters :—

Choked drains	23
Defective drains	3
Defective waterclosets	8
Offensive smell	4
General housing defects	48
Dampness	14
Smoke nuisance	7
Dirty premises	2
Verminous premises	14
Insect pests	4
Keeping of birds and animals	3
Rats and Mice Infestation	12
Accumulation of refuse	9
Dustbins	13
Sanitary conveniences	1
Cesspools	8
Overcrowding	1
Water supply	1
Rivers and streams	1
Request to call	20
Miscellaneous	25
Total	221

(i). Nuisances Abated and Work Done.

During the year 1940 the total number of nuisances abated or work done either as a result of informal or statutory action is as follows :—

i. As a result of informal action	1797
ii. As a result of statutory action	68
Total	1865

(j). **Factories.**

The following tables show the inspection of factories and other premises, together with the defects found and remedied :—

1. Defects found in Factories and other Premises.

Particulars.	Number of Defects.			Number of offences in respect of which Prosecutions were Instituted.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness	6	6	—	—
Overcrowding	—	—	—	—
Unreasonable temperature	—	—	—	—
Inadequate ventilation	—	—	—	—
Ineffective drainage of floors	—	—	—	—
Sanitary Conveniences {	Insufficient	—	—	—
	Unsuitable or defective	—	—	—
	Not separate for sexes	1	—	—
Other Offences	—	—	—	—
(Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937)				
Total	7	7	—	—

2. Inspection of Factories and other premises.

Premises.	Number of.		
	Inspections.	Written Notices.	Occupiers Prosecuted.
Factories with mechanical power	29	4	—
Factories without mechanical power	11	2	—
Other Premises under the Act (including works of building and engineering construction but not including outworkers' premises)	—	—	—
Total	40	6	—

3. Outwork in Unwholesome Premises (Section 108 of Act 1901; Section III. of Act of 1937).

Nature of Work.	Instances.	Notices Served.	Prosecutions
Nil	—	—	—
Total	—	—	—

During the year no notices were received from H.M. Inspector of Factories referring to defects remediable under the Public Health Acts.

(k) **Shops.**

During 1940, 87 visits were paid to shops. Eight informal notices were served and 15 notices were complied with during the year.

The following table shows the details of the defects found and remedied.

Shops Act, 1934.

Nature of Defect.	Number completed after Informal Notice.
No means of maintaining a reasonable temperature	1
Washing facilities unsuitable	7
W.C. Compartments require cleansing	5
Premises require Cleansing	4
Insanitary W.C. basins	10
Defective W.C. cisterns	6
Absence of sanitary accommodation	1
Miscellaneous Items	10
Total	44

(1) Smoke Abatement.

Six complaints of nuisance from smoke were received during the year, including :—

- 4 in respect of smoke emission from defective chimneys.
- 1 in respect of smoke emitted by an incinerator.
- 1 in respect of smoke from a fire in an air raid shelter.
- 4 smoke observations were made.

(m) Eradication of Bed Bugs.

(1) Number of Council houses found to be verminous	Nil
Number of other houses found to be verminous	26
	—
Total	26
	—

(2) In all cases infested rooms and their contents were sprayed with Zaldecide.

(3) The work of disinfestation is carried out by the local authority and during the year 1940 the following work was carried out by the Department :—

Houses inspected for vermin	.....	.....	.....	120
Rooms sprayed for vermin	.....	.....	.....	99

(n) Rats and Mice.

11 complaints regarding premises infested with rats and mice were received during the year and 38 visits were made.

(o) During the year 1940 there have been no changes, and no nuisances have been discovered in the following :—

- (1) Camping Sites.
- (2) Schools.
- (3) Tents, Vans and Sheds.
- (4) Offensive Trades.
- (5) Common Lodging Houses.
- (6) Houses Let in Lodgings.

(p) Petroleum (Consolidation) Act, 1928.

At the commencement of the year 43 licences were issued for the storage of Petroleum, Carbide of Calcium, and Hydrocarbon, entailing the storage of 32,760 gallons of petroleum, 11,038-lbs. of carbide of calcium and 400 gallons of hydrocarbon.

During the year the Petroleum (No. 3 Order), 1940, was brought into force, and under this 31 licencees were not allowed to store petroleum. This resulted in a total reduction of 23,160 gallons, consequently enabling only 9,600 gallons to be stored for the remainder of the year.

Empty tanks on dealers' sites and garages were left empty, whilst those on industrial sites and at commercial consumers were filled with water in accordance with instructions received from the Petroleum Board.

SECTION IV.

HOUSING.

Report by the Chief Sanitary Inspector.

A. STATISTICS.

Number of New Houses erected during the year :—

	<i>Total</i>
(i) By the Local Authority	Nil
(ii) By other Local Authorities	Nil
(iii) By other bodies and persons	Nil

1. Inspection of Dwelling-houses during the year :—

(1) (a) Total number of dwelling-houses inspected for Housing defects (under Public Health or Housing Acts)	249
(b) Number of inspections made for the purpose	512
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 1925 and 1932	33
(b) Number of inspections made for the purpose	387
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	1
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	27

2. Remedy of Defects during the Year without the service of formal Notices :—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	48
---	----

3. Action under Statutory Powers during the Year :—

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	4
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners	5
(b) By Local Authority in default of owners	Nil
(c) Outstanding at 31st December, 1940	3

B. Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	4
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners	5
(b) By Local Authority in default of owners	Nil
(c) Outstanding at 31st December, 1940	Nil

C. Proceedings under Sections 11 and 13 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which Demolition Orders were made	3
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	6
(3) Number of dwelling-houses in respect of which an undertaking was accepted from the owners	1
(4) Number of dwelling-houses in respect of which undertakings were determined the dwelling-houses having been rendered fit	1

D. Proceedings under Section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	Nil

4. Housing Act, 1936—Part IV.

(a) (1) Number of dwellings overcrowded at the end of the year	Nil
(2) Number of families dwelling therein	Nil
(3) Number of persons dwelling therein	Nil
(b) Number of new cases of overcrowding reported during the year	Nil
(c) (1) Number of cases of overcrowding relieved during the year	Nil
(2) Number of persons concerned in such cases	Nil
(d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	Nil
(e) Any other particulars with respect to overcrowding conditions	Nil

5. HOUSING ADMINISTRATION.

1. Individually Unfit Houses.

DETAILS OF HOUSING REPAIRS CARRIED OUT DURING THE YEAR, 1940.

Nature of Repairs.	Number completed after.	
	Informal Notice.	Statutory Notice.
HOUSING.		
Roofs repaired or renewed	48	4
Chimney stacks repaired or renewed	33	Nil
Gutters repaired or renewed	22	2
Rainwater pipes repaired or renewed	16	Nil
External walls repaired or repointed	36	4
Window and door sills repaired or renewed	19	6
Dampness abated :—		
1. Repairs to roof	3	Nil
2. Repairs to external walls	9	Nil
3. Waterproofing of internal walls	33	1
4. Wall cavities cleaned out	23	Nil
Sub-floor ventilation provided	5	Nil
Sub-floor ventilators repaired or renewed	23	Nil
Permanent ventilation provided	1	Nil
Yard or passage surface paved or repaired	16	5
Wall plaster repaired	150	2
Ceiling plaster repaired	130	1
Walls cleaned or re-decorated	166	2
Ceilings cleaned or re-decorated	147	2
Windows repaired or renewed	72	20
Sashcords provided	108	4
Doors repaired or renewed	34	4
Floors repaired or renewed	40	2
Stairs repaired or renewed	11	Nil
Firegrates or ranges repaired or renewed	25	1
New sinks provided	27	1
New sink waste pipes provided	31	2
Separate water supply provided	2	Nil
Washing coppers repaired or renewed	8	Nil
Washhouse rebuilt or repaired	1	Nil
Washing accommodation provided	3	Nil
Ventilated food stores provided	6	1
Food stores repaired or improved	1	1
Hearths repaired or renewed	12	1
Refuse receptacles provided	28	1
Verminous rooms disinfested	99	Nil
Miscellaneous housing items	62	1
Total	1450	68

SECTION V.

INSPECTION AND SUPERVISION OF FOOD.**Report by the Chief Sanitary Inspector.**

I am indebted to H. F. Dawe, A.R.S.I., M.S.I.A., M.I.H., the Borough Meat and Food Inspector, for the following report on the work done under this Section for the year 1940.

(A.) MILK SUPPLY.**(1) Cowsheds, Dairies and Milkshops.**

The following is a summary of the Cowkeepers, Dairymen and Purveyors of Milk in the district on the 31st December, 1940 :—

No. of persons registered as cowkeepers	27
No. of premises used as cowsheds	51
No. of cowkeepers who are also retailers of milk	6
No. of persons registered as dairymen with dairies	37
No. of shops selling sealed bottled milk only	42
No. of retail purveyors of milk including dairymen	69
During 1940 the following visits were paid to dairy premises :—	
Cowsheds	104
Dairies and milk shops	94
Total	198

(2) Bacteriological Examination of Milk.

Milk sampling for examination for the presence of tubercle bacilli is carried out by the County Council.

(3) Graded Milk.

The following licences were in force during the year :—

Licence to produce " Accredited " milk (issued by the County Council)	5
Licence to bottle and retail " Accredited " milk	1
Licence to pasteurise milk	2

During the year 62 samples of " Pasteurised " milk were taken and forwarded to the County Laboratory for examination.

Of the 62 samples obtained, 47 were up to the prescribed standard and 15 below such standard. Of these unsatisfactory samples five were below the prescribed standard as regards the " Phosphatase " Test, 7 were unsatisfactory as regards the bacterial count, and three in respect of both the Phosphatase Test and the bacterial count.

Regarding the unsatisfactory samples, four were obtained from one of the dairies and 11 from the other. In the case of the former a defect in the plant was found and remedied, and no further unsatisfactory samples were received. In the latter case the main causes were the age of the plant, together with the difficulty of having this reconditioned, and, in addition, the shortage of skilled operatives. The matter was taken up with the firm in question and the plant is kept under constant supervision.

(B.) MEAT AND OTHER FOODS.**(1) Slaughter-houses.**

Seven private slaughter-houses were licensed at the commencement of the year, but six of these were discontinued under the Live Stock (Restrictions on Slaughtering) Order, 1940, which came into operation on January 15th, 1940. The slaughter-house allowed to remain open was that situated at the premises of the Four Counties' Bacon Company (1927), Ltd., Eastleigh. The number of pigs killed at this factory was the highest yet recorded and numbered 34,921, whilst in addition 630 frozen carcasses were cured for bacon.

The number of visits to slaughter-houses and the number of animals inspected are shown under :—

No. of visits to Slaughterhouses, etc	.....	.....	552
No. of carcasses examined :—			
Bulls	.....	.....	Nil
Bullocks	.....	.....	3
Cows	.....	.....	7
Heifers	.....	.....	18
Calves	.....	.....	11
			<hr/>
Sheep	.....	.....	39
Pigs	.....	.....	39
			<hr/>
		Total	35139

(2) Visits to Food Premises.

The following is a summary of the visits paid to food shops and premises within the Borough during 1940.

Premises.	Visits Paid.
Butchers	199
Fishmongers and poulterers	29
Grocers	47
Greengrocers and fruiterers	13
Bakehouses	33
Cowsheds	104
Dairies and milkshops	94
Ice-cream premises	4
Food-preparing premises	2
Sampling visits	48
	<hr/>
Total	573

(3) Diseased or Unsound Meat and Food.

As a result of the above inspections various diseased or unsound conditions were discovered as detailed in the following tables. The amount of tuberculosis meat with is shown in Table I and other diseased conditions in Table II. Table III shows the number of carcasses inspected and the percentage incidence of disease. Table IV shows the amount of meat and other foods surrendered on account of unsoundness. Wherever possible steps were taken in conjunction with the Local and Regional Food Offices for suitable portions to be salvaged.

TABLE I. TUBERCULOSIS IN FOOD ANIMALS.

Portion dealt with.	Bovines.		Pigs.		Totals Bovines and Pigs.	
	No.	Weight lbs.	No.	Weight lbs.	No.	Weight lbs.
Entire carcase and all offal.....	—	—	57	9,467	57	9,467
Head and Tongue	2	61	2,006	27,977	2,008	28,038
Plucks	—	—	901	5,974	901	5,794
Lungs and Heart	4	54	—	—	4	54
Lungs	1	12	—	—	1	12
Mesenteries	1	7	2,637	3,766	2,638	3,773
Collars	—	—	183	565	183	565
Forequarters	—	—	7	215	7	215
Hindquarters.....	—	—	2	78	2	78
Livers	2	24	—	—	2	24
Totals	10	158	5,793	47,862	5,803	48,020

TABLE II. CARCASSES INSPECTED AND CONDEMNED.

	Cattle excluding Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs.
Number killed	21	7	11	39	35,061
Number inspected	21	7	11	39	35,061
All diseases except Tuberculosis :— Whole carcasses condemned	—	—	—	—	60
Carcasses of which some part or organ was condemned	—	1	—	—	3,364
Percentage of the number inspected affected with dis- ease other than Tuberculosis	—	14.3 %	—	—	9.8 %
Tuberculosis only : Whole carcasses condemned	—	—	—	—	57
Carcase of which some part or organ was condemned	3	3	—	—	2,687
Percentage of the number inspected affected with Tuberculosis	14.3 %	42.9 %	—	—	7.8 %

TABLE III. DISEASES OTHER THAN

Kind of Animal.	Diseases, etc.	Whole Carcase and all Offal.		Fore-end.		Shoulders.		Lungs and Heart.	
		No.	lbs.	No.	lbs.	No.	lbs.	No.	lbs.
BOVINES.	Cavernous Angioma	—	—	—	—	—	—	—	—
SWINE.	Abscesses	—	—	—	—	—	—	—	—
	Arthritis	5	587	—	—	—	—	—	—
	Bruising	1	111	1	30	2	12	—	—
	Congestion and Cirrhosis	—	—	—	—	—	—	3	9
	Cystic	—	—	—	—	—	—	—	—
	Dropsy and Emaciation	18	1760	—	—	—	—	—	—
	Erysipelas	3	442	—	—	—	—	—	—
	Enteritis	3	343	—	—	—	—	—	—
	Moribund	16	2340	—	—	—	—	—	—
	Peritonitis	3	334	—	—	—	—	—	—
	Pneumonia	6	371	—	—	—	—	—	—
	Sceptic Pericarditis	5	626	—	—	—	—	—	—
	Totals	60	6914	1	30	2	12	3	9

TUBERCULOSIS IN FOOD ANIMALS.

Plucks.		Flecks.		Legs.		Tender Loins.		Kidneys.		Livers.		Total Carcases and all Offal.	
No.	lbs.	No.	lbs.	No.	lbs.	No.	lbs.	No.	lbs.	No.	lbs.	No.	lbs.
—	—	—	—	—	—	—	—	—	—	—	14	1	14
—	—	2	7	3	37	3	3	—	—	—	—	8	47
—	—	—	—	17	239	—	—	—	—	—	—	22	826
—	—	—	—	17	263	1	1	—	—	—	—	22	417
2267	15326	—	—	—	—	—	—	—	—	1	4	2271	15339
—	—	—	—	—	—	—	—	2009	501	—	—	2009	501
—	—	—	—	—	—	—	—	—	—	—	—	18	1760
—	—	—	—	—	—	—	—	—	—	—	—	3	442
—	—	—	—	—	—	—	—	—	—	—	—	3	343
—	—	—	—	—	—	—	—	—	—	—	—	16	2340
—	—	40	128	—	—	2	2	—	—	—	—	45	464
—	—	—	—	—	—	—	—	—	—	—	—	6	371
—	—	—	—	—	—	—	—	—	—	—	—	5	626
2267	15326	42	135	37	539	6	6	2009	501	2	18	4429	23490

**TABLE IV. OTHER UNSOUND CONDITIONS OF MEAT
AND OTHER FOODS.**

Description.	Condition.	Weight in lbs.
English Beef	Bone-taint	1,509
Danish Bacon	Bone-taint	2,044
English Beef	Bruised	20
5 English Sheeps' Plucks	Decomposition	47
2 English Bovines' Heads	Decomposition	54
English Kippers	Decomposition	56
4 Canadian Gammons	Decomposition	61
Imported Ox Liver	Mould	32
Imported Mutton	Mould	23
English Kippers	Mould	28
English Bacon	Tainted	11
1 Loin English Veal	Unsound	4
1 English Calf's Pluck	Unsound	9
English frozen Cod Fillets	Unsound	156
English Kippers	Unsound	14
2 Danish Hams	Unsound	30
		Total 4,098
Condemned as a result of enemy action.		Approximately one-half of this was salvaged for pig feeding and the remainder destroyed
12 Sacks Roots	Unsound	
30 Sacks Beans	Unsound	
10 Sacks Rice	Unsound	
11 Sacks Peas	Unsound	
2 Sacks Oatmeal	Unsound	
5 Sacks Tapioca	Unsound	
1 Sack Pearl Barley	Unsound	
1 Sack Icing Sugar	Unsound	

(4) Meat Marking.

During the year no animals were stamped with the mark approved by the Ministry of Health.

(5) Food and Drugs Act, 1938.**Adulteration.**

Food and drugs sampling under this Act is carried out in the Borough by the County Council.

Ice Cream.

Number of Premises registered for manufacture and sale	10
Number of Premises registered for sale only	20

Preserved Foods.

Number of Premises registered	40
-------------------------------	----

Food Poisoning.

Two certified cases of food poisoning were notified under Section 17 during the year. The cases concerned were those of a young married couple who were removed to hospital but discharged within two days. The suspected food was a tin of salmon, but no portion was available for analysis. An analysis of a similar tin belonging to the patients was found to be negative. A record of the cases was forwarded to the County Medical Officer of Health.

SECTION VI.

PREVALENCE AND CONTROL OVER INFECTIOUS DISEASES.**(1) Small Pox.**

No cases of Small Pox were notified during the year.

(2) Measles.

One hundred and ninety-four cases of Measles were notified to the Department during the year. Of these, six were admitted to hospital and 188 were treated at home. None of the cases proved fatal. The incidence of the disease reached its highest peak in July, when 54 cases were notified, its lowest level being March, when only one case was notified. Thirty-two cases were notified in May, 23 in June, 21 in August, 16 in October, and 10 in April. Low totals for the other months of the year were 7 in January, 5 in February, 8 in November, and 3 in December. The highest number of cases were notified in the North Ward of the Borough, which, with a total of 55, had twice as many cases as any other ward in the Borough, Chandler's Ford Ward with a total of 19 having the lowest number of cases. Apart from these, the cases were evenly distributed over the Borough.

(3) Whooping Cough.

One hundred and seventy-nine Whooping Cough cases were notified during the year, one of which was treated in hospital. The highest number of cases notified in any one month was 43 in October, the lowest being January and February, when one case was notified in each of these months. Thirty-six cases were notified in August, 31 in September, 17 in July, 16 in May, 15 in November, and 13 in June. The lowest totals were four in each of the months of March and April, and 8 in December. The highest number of cases was notified in the West Ward with a total of 39, the lowest number of cases, 11, occurring in the Central Ward.

(4) Scarlet Fever.

Twenty-four cases of Scarlet Fever were notified during the year, a decrease of 20 compared with 44 notified during 1939. Twenty-two were admitted to the Isolation Hospital, and two were treated at home. None of the cases were fatal. The highest number of cases notified in any one month was in January, the next highest being 5 in December. Three cases were notified in each of the months of October and November, 2 in February, one case was notified during March, also in April and August. No cases were notified during May, June, July or September. The highest number of cases were notified from Bishopstoke and North Wards, six cases occurring in each of these Wards. The lowest number, 1, occurred in the West Ward.

(5) Diphtheria.

Eight cases of Diphtheria were notified to the Department during 1940, one of the cases being an evacuee from Southampton. All cases were admitted to hospital, none of them being fatal. Two cases were reported in each of the months of January, June and July, one in February and the Southampton evacuee in December. One case was taken from each Ward of the Borough, with the exception of the South Ward, where three cases occurred, and the Central Ward which had no cases.

(6) Examination of Bacteriological Specimens.

Bacteriological examinations are carried out free of charge by the County Authorities, and full advantage is taken of these facilities.

(7) Cleansing and Disinfection of Verminous Persons.

No public facilities exist for the cleansing of verminous persons. Verminous clothes, bedding, etc., are disinfested with "Killgercide" and houses and rooms are either disinfested with "Killgerm" fumigators or sprayed with "Killgercide."

CASES OF INFECTIOUS DISEASES (OTHER THAN TUBERCULOSIS) NOTIFIED DURING THE YEAR 1940

Notifiable Diseases.	Cases Notified in whole District.												Total Cases in each Ward.							Total cases removed to Isolation Hospital	
	At all Ages	At Ages.										Years.									
		Under One	1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—35	35—45	45—65	65 and over	Chandler's Ford.	Bishopstoke	North	South	East	West		Central
Enteric Fever	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	2	—	—	—	—	2
Scarlet Fever	24	—	1	1	1	8	3	2	8	—	—	—	4	6	6	2	3	1	2	22	
Whooping Cough	179	14	21	23	24	19	74	4	—	—	—	—	35	19	32	26	17	39	11	1	
Diphtheria	8	—	—	1	1	1	1	2	—	1	—	—	1	1	1	3	1	1	—	8	
Erysipelas	11	—	—	—	—	—	—	1	—	3	4	3	3	2	1	3	—	1	1	1	
Measles	194	7	7	11	15	23	104	11	5	2	—	—	19	25	55	30	20	25	20	6	
Pneumonia	12	2	2	—	—	—	1	—	—	2	2	1	—	2	2	3	1	2	2	—	
Puerperal Pyrexia	6	—	—	—	—	—	—	—	6	—	—	—	—	3	—	3	—	—	—	—	
Acute Poliomyelitis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
Cerebro-spinal Fever	5	—	1	1	—	—	—	2	1	—	—	—	1	—	1	1	1	1	—	2	
Dysentery	1	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	
Ophthalmia Neonatorum	5	5	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	—	1	—	
Totals	448	28	32	38	39	44	188	23	11	26	8	7	4	63	58	103	71	46	70	37	42

TUBERCULOSIS.

New Cases and Mortality during 1940.

	New Cases.				Deaths.			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	1	—	—	—	—	—
5—15	—	—	3	—	—	—	—	—
15—25	3	4	2	—	1	—	—	—
25—35	1	4	—	1	—	1	—	—
35—45	2	—	—	—	—	—	—	—
45—55	—	1	1	—	2	—	—	—
55—65	1	—	—	—	1	—	—	—
65 and upwards	—	—	—	—	—	—	—	—
Totals	7	9	7	1	4	1	—	—

SECTION VII.

AIR RAID PRECAUTIONS—CASUALTY SERVICES.**Report by the Director of Casualty Services.**

Eastleigh is not a scheme making authority, the Borough Casualty Services, which were summarised in my report for the year 1939, forming part of the scheme submitted by the Hants County Council.

Various alterations and improvements have been carried out during 1940, all of which have been dealt with under the appropriate headings.

(1) Headquarters' Staff.

The Medical Officer of Health, Dr. R. Reynolds Garrett, who was in charge of the Casualty Services, was the Controlling Official until November, when the poor state of his health made it necessary for him to take a rest, and he was granted six months' leave of absence by the Council.

From this date Mr. C. E. James, who was appointed Director of Casualty Services in April, 1939, became the Controlling Official of the Casualty Services.

For the greater part of the year 1939 and previous years all the clerical duties attached to A.R.P. in this Department had been carried out by Mr. K. R. Humphries and Mr. W. R. W. Shattock, the departmental clerks, but at the outbreak of hostilities the volume of work grew to such an extent that eventually the employment of a whole-time clerk for A.R.P. purposes became necessary, and authority to employ a whole-time A.R.P. clerk was granted by the County Council.

(2) First Aid Post.

As a temporary measure, pending the construction of a permanent building, the Sports Pavilion at Fleming Park, which is the property of the local authority, was used as a First Aid Post.

A permanent building, comprising a cleansing section, reception room, treatment room and rest room, has now been erected in Leigh Road, and has been in use as a First Aid Post since the 20th April, 1940.

Dr. E. R. Batho, M.C., M.R.C.S., L.R.C.P., the Medical Officer in charge of the Post, joined the armed forces early in the year, and the County Air Raid Precautions Committee approved the appointment of Dr. P. Cheal, M.R.C.S., L.R.C.P., as Medical Officer in charge of the Post as from the 1st June, 1940.

The Honorary Commandant, Mrs. R. Reynolds Garrett, J.P., C.C., had to retire on the grounds of ill-health in November, and, with the approval of the County Medical Officer and the Medical Officer in charge of the Post, was replaced by Mrs. W. F. Mustard, a Lady Corps Superintendent of the St. John Ambulance Association, who was Commandant of an Auxiliary Military Hospital in the last war. One of the paid staff, Mrs. F. M. Young, a nursing sister of the St. John Ambulance Association, was appointed Deputy Commandant.

Mrs. D. E. Rainford, a State registered nurse and certified midwife, who has been enrolled in the Casualty Services since November, 1938, kindly offered her services as honorary trained Nurse at the Post. These were gladly accepted, and, under the direction of the Medical Officer in charge of the Post, Mrs. Rainford carries out the supervision and medical training of the personnel.

The personnel establishment of the Post consists of 60 volunteers (50 women and 10 men), plus a reserve of 25 per cent., but the number of volunteers on the register fluctuated considerably during the year. In January the number was 86 (76 women and 10 men), but at the end of the year, when the number of "effective" personnel became stabilised, the number was 53 (49 women and 4 men), of which number seven women and three men were whole-time paid volunteers.

The staff work in reliefs of twelve hours. Between the hours of 6.0 a.m. to 6.0 p.m. the Post is staffed by the paid personnel. All the volunteers are required to do one night on duty from 6.0 p.m. to 6.0 a.m., and one night on call between the hours of 6.0 p.m. to 6.0 a.m., with two nights off between their duty night and call night. This system works very well as it (a) enables the volunteers to qualify as "effective personnel," (b) it reduces to a minimum the number of personnel who have to come through the streets during a raid, and (c) enables the Post to deal with cases of emergency.

(3) First Aid Parties.

The original establishment of First Aid Parties for this area was eight double parties with a 50 per cent. reserve, making a total of 120 volunteers. These parties were based on Depots situated as follows :—

No. 1 First Aid Party Depot, Market Street, Eastleigh—4 x 4 Parties.

No. 2 First Aid Party Depot, Stoke Park Road, Bishopstoke—2 x 2 Parties.

No. 3 First Aid Party Depot, Hursley Road, Chandler's Ford—2 x 2 Parties.

No. 1 Depot served the built-up area of the Borough, and was twice the size of each of the other two Depots.

At the beginning of the year the number of volunteers on the register was 97 stretcher bearers and 42 drivers, a total of 139, which was sufficient to form the required eight double parties and provide the 50 per cent. reserve. Eighty of these volunteers were accordingly formed into eight double parties, each party being equipped and detailed for duty on alternate days, the 50 per cent. reserve for which we had no equipment being attached to the parties as reserves. Twenty-four of these volunteers, including the reserves, had to own a car, which they had to be prepared to use for A.R.P. purposes, and each of these cars had to be capable of holding five persons.

At the end of May this scheme was modified by the abolition of double parties and an increase in the establishment of paid personnel. Six party cars for the use of volunteer parties were also purchased by the County Council, and the present system of working was evolved.

Under this system the volunteers, male or female, are required to work three reliefs per week, *i.e.*, one night on duty from 6.0 p.m. to 6.0 a.m., one night "on call" should the siren sound between the hours of 6.0 p.m. to 6.0 a.m., and one night on call should the district be raided between these hours. During the day two whole-time parties are on duty, and these are supplemented by volunteers who have their employers' permission to report to their Depot in time of emergency.

This system works very well, as it (a) enables the personnel to qualify as "effective personnel," (b) it enables the service to meet its obligations under the county's mutual assistance scheme, and (c) ensures that all personnel have one night off between any of their duty or call nights, no matter how heavily the district is raided.

(4) **First Aid Points.**

The number of First Aid Points in the Borough which have now been reduced from 7 to 6 are situated as follows:—

- (i.) Allbrook Infants' School.
- (ii.) Church Hut, Romsey Road, Eastleigh.
- (iii.) "Winda," Weavils Road, Fair Oak.
- (iv.) St. Mary's Church Hall, Bishopstoke.
- (v.) St. Boniface Hall, Hursley Road, Chandler's Ford.
- (vi.) 34, Hiltingbury Road, Chandler's Ford.

A First Aid Point Box is kept in all the above premises for use in that particular area.

(5) Ambulances.

The establishment of ambulances in this district is 12 ambulances with a 25 per cent. reserve, totalling 12 vehicles, 30 women drivers and 60 attendants. Eight of these vehicles are whole-time ambulances purchased by the County Council, the remaining four being part-time trade vehicles, of which we have never been able to obtain more than two at any one time.

For convenience, each ambulance, although a complete unit in itself, is attached to a First Aid Party when on stand-by duty, the attendants being supervised and trained by the First Aid Party Leader. The periods of duty of the ambulance drivers and attendants are similar to those of the First Aid Parties.

(6) Casualty Hospitals.

All casualties from the Borough are taken to the Royal Hants County Hospital and Public Assistance Institution at Winchester.

(7) General.

During the year under review the Borough Casualty Services, like most other services, have been called upon to carry out the work for which they were recruited. Each time the Services were called upon they were always ready and acquitted themselves well.

